

ABSTRACT

The camshaft mounting structure for a cylinder head according to the present invention comprising: a first journal part which is placed at the frontal part of a cylinder head of an engine is designed to support a camshaft, and also accommodates a bolt coupling hole for securing the cylinder head and the cylinder block, wherein the cylinder block is installed with a plurality of oil holes communicating with a plurality of oil passages for connecting with an actuator of the variable valve timing apparatus; a metal bearing mounted on the semi-circular shaped first journal part with a length identical to the maximum length of the first journal part in relation to the axial direction of the camshaft, and formed with a plurality of connecting holes communicating with the plurality of oil holes; and a plurality of oil grooves formed at the camshaft along the circumferential direction for respectively communicating with the plurality of connecting holes, wherein the location of the first journal part of the cylinder head applied as an oil supply passage for actuating a variable valve timing apparatus is reset, thereby reducing an axial length of the cylinder head to contribute to a compact engine.